

jp57029690/pn

L2 ANSWER 1 OF 1 WPINDEX COPYRIGHT 2004 THOMSON DERWENT on STN
ACCESSION NUMBER: 1982-24762E [13] WPINDEX
TITLE: Pulping lignocellulosic material - by digesting with
polysulphide-contg. alkali soln. and tetra
hydro-anthraquinone.
DERWENT CLASS: F09
PATENT ASSIGNEE(S): (SAOK) SANYO KOKUSAKU PULP CO
COUNTRY COUNT: 1
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
JP 57029690	A	19820217	(198213)*	4			<--

PRIORITY APPLN. INFO: JP 1980-104250 19800731

INT. PATENT CLASSIF.: D21C003-02

BASIC ABSTRACT:

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Lignocellulosic material is digested in closed vessel with polysulphide-contg. alkali soln. in the presence of tetrahydro-anthraquinone, which is added to the digesting soln. or to the lignocellulosic material prior to the treatment. The digesting soln. is an alkali soln. contg. polysulphide obtd. by oxidn. of sodium sulphide in Kraft process digesting soln. using a catalyst.

Lignocellulosic material is delignified quickly and selectively without loss of cellulose and hemicellulose.

In an example, polysulphide digesting soln. (polysulphide in 1.0% as S and alkali in 16% of chip) and tetrahydro-anthraquinone (0.5% to chip) were added in 4:1 to 800 grams (absolute dry wt.) of broadleaf tree chips and digestion was performed for 90 mins. at up to 165 deg.C. Yield of unbleached pulp was 53.5% as compared with 51.3% (polysulphide alone) and 52.3% (polysulphide + anthraquinone).

FILE SEGMENT: CPI

FIELD AVAILABILITY: AB

MANUAL CODES: CPI: F05-A02A